International application No.

PCT/JP2005/001051

		FC1/012	003/001031		
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ B23K26/38					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum docum Int . Cl ⁷	entation searched (classification system followed by cla B23K26/38	ssification symbols)			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where app	·	Relevant to claim No.		
Y	JP 10-508798 A (Electro Scier Inc.), 02 September, 1998 (02.09.98) Claim & WO 96/02351 A1		1-27		
Y	Katsumi MIDORIKAWA, "Femto-By to Kako Oyo", Dai 45 Kai Lase Kenkyukai Ronbunshu, 1998, IS page 32, lines 5 to 36	r Netsu Kako	1-27		
Y	Kiran P. Adhi, Roger L. Owing Railkar, W.D. Brown, A.P. Mal ultraviolet (248 nm) excimer of Teflon (PTFE), Applied Sur 218, 2003	she, Femtosecond laser processing	1-27		
	·	And the second s			
Further documents are listed in the continuation of Box C. See patent family annex.					
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier application or patent but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means		T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art			
-P document published prior to the international filing date but later than the priority date claimed		*&* document member of the same patent	family		
Date of the actual completion of the international search 21 April, 2005 (21.04.05)		Date of mailing of the international search report 10 May, 2005 (10.05.05),			
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Facsimile No.		Telephone No.			

International application No.

C (Continuation	D. DOCUMENTS CONSIDERED TO BE RELEVANT	T/JP2005/001051
Category*		
Y	Citation of document, with indication, where appropriate, of the relevant passag	
•	JP 8-66788 A (Mitsubishi Electric Corp.), 12 March, 1996 (12.03.96), Claim 1; Detailed Explanation of the Invention Par. Nos. [0001], [0046] to [0051]; Figs. 1 to 3, 13 to 14 (Family: none)	;
	continuation of second sheet) (January 2004)	

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1.
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
See extra sheet
1. X As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.



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Continuation of Box No.III of continuation of first sheet(2)

The "special technical feature" of claims 1 to 17 relates to "a stretched polytetrafluoroethylene porous article having fine pores formed therein, wherein fine pores having a pore diameter greater than the average pore diameter of said stretched polytetrafluoroethylene porous article are formed by the irradiation with a pulse laser beam having a pulse width of 10 picoseconds or less, and a fine porous structure of the wall surface of said fine pore is not broken and is substantially retained; and a method for producing the stretched polytetrafluoroethylene porous article".

The "special technical feature" of claims 18 to 27 relates to "a method of ablation machining wherein a material to be machined is supported on a support and then said material to be machined is irradiated with a pulse laser beam, which comprises using a support having a portion, with which said material to be machined does not contact, in a region corresponding to a target machining region of the material to be machined, as the support".

These inventions have no technical relationship involving one or more of the same or corresponding special technical features, and therefore, are not so linked as to form a single general inventive concept.